

## REMARKS

This Response is submitted in response to the Non-Final Office Action dated September 30, 2010. Claims 42-47 and 49 are rejected under 35 U.S.C. § 112, first paragraph, Claims 42-47 and 49 are rejected under 35 U.S.C. § 112, second paragraph, Claims 42 and 45 are rejected under 35 U.S.C. § 102(b), Claims 43-44, 46-47 and 49 are rejected under 35 U.S.C. § 103(a). A one month petition for extension of time is submitted herewith. The Commissioner is hereby authorized to charge deposit account 02-1818 for any fees which are due and owing. If such a withdrawal is made, please indicate the Attorney Docket No. 3717483-00085 on the account statement. Applicants respectfully disagree and traverse the rejections, as set forth in detail below.

The Office Action rejected Claims 42-47 and 49 under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. Applicant respectfully disagrees. By way of example, support for claim 42 can be found in the specification paragraphs [0004]-[00008], [00013]-[00016], [00025]-[00034] and corresponding FIG. 1. Claim 42 therefore complies with 35 U.S.C. § 112, first paragraph, and the rejection should be withdrawn. Claims 43-47, and 49 were rejected under 35 U.S.C. § 112, first paragraph, as being dependent on claim 42. Accordingly, Applicant respectfully requests that the rejection of Claims 42-47 and 49 under 35 U.S.C. § 112 be withdrawn.

The Office Action rejected Claims 42-47 and 49 under 35 U.S.C. § 112, second paragraph, as being indefinite. Applicants respectfully disagree. The Office Action indicates that the three angles, three corresponding time periods, and fourth light intensity are indefinite for lack of written description. Applicants respectfully disagree. The three angles and three time periods recited in the claims are fully supported and described with reference to FIG. 1. As shown in FIG. 1 and described in paragraph [00028], step S6 creates a loop that cause three time periods to be measured (step S4) for three different angles (step S2) of light emission (step S3). The light intensity may be ascertained at step S5 and/or step S7 as described, for example, in paragraphs [00027], [00028] and [00031]. Accordingly, Applicants respectfully request that the rejection of Claims 42-47 and 49 under 35 U.S.C. § 112 be withdrawn.

The Office Action rejected Claims 42 and 45 under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,520,647 to Raskar ("Raskar"). Applicants respectfully disagree. Claim 4 recites, inter alia, "measuring a first time period between emitting the light at the first

angle and receiving the light a first time.” The Office Action indicates that Raskar teaches “measuring a first time period (using sensors 201-203) between emitting the light at the first angle 301 and receiving the light a first time (when the projector receives reflected light from the screen).” Office Action, p. 4. However, nowhere does Raskar mention “measuring a first time period between emitting the light at the first angle and receiving the light a first time” as required by Claim 42 (emphasis added). Moreover, Raskar projects a predetermined pattern, such as a checkerboard, on to a surface and receives the reflected pattern at a camera to determine an angle associated with the projection and the surface (e.g., the squares of the checkerboard are no longer squares after being reflected by the surface). Indeed, Raskar does not measure “a first time period between emitting the light at the first angle and receiving the light a first time” as claimed.

For at least this reason, it is respectfully submitted that independent claim 42 is patentably distinguished over the art of record and in condition for allowance. All other pending claims depend either directly or indirectly from independent claim 42 and are also allowable for at least the reasons given with respect to claim 42. Accordingly, Applicants respectfully request that the rejection of Claims 42 and 45 under 35 U.S.C. § 102(b) to Raskar be withdrawn.

The Office Action rejected Claims 43 and 44 under 35 U.S.C. § 103(a) as being unpatentable over Raskar in view of U.S. Patent No. 5,700,076 to Minich et al. (“Minich”). Applicants respectfully submit that Minich fails to cure the deficiencies of Raskar discussed above. Because claims 43 and 44 depend from claim 42, Applicants submit these claims are patentable over the cited prior art for at least the same reasons discussed above, and for the additional patentable elements cited therein.

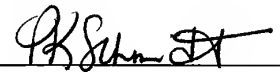
The Office Action rejected Claims 46-47 and 49 under 35 U.S.C. § 103(a) as being unpatentable over Raskar in view of U.S. Patent No. 5,541,723 to Tanaka (“Tanaka”). Applicants respectfully submit that Tanaka fails to cure the deficiencies of Raskar discussed above. Because claims 46-47 and 49 depend from claim 42, Applicants submit these claims also are patentable over the cited prior art for at least the same reasons discussed above, and for the additional patentable elements cited therein.

For at least the reasons above, Applicants respectfully submit that the present application is in condition for allowance and earnestly solicit reconsideration of same. An earnest endeavor has been made to place this application in condition for formal allowance. If the Examiner has

any questions regarding this Response, Applicant respectfully requests that the Examiner contact the undersigned.

Respectfully submitted,

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